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MEMORANDUM

TO: The Board of Oil, Gas, and Mining

FROM: James W. Smith, Jr.

DATE: November 17, 1978

SUBJECT: Final Approval of Mining and Reclamation Plan and Surety Estimate for Minerals Recovery Corporation, South Lisbon Mine, San Juan County, Utah, ACT/037/018.

Attached is an Executive Summary for Minerals Recovery Corporation, South Lisbon Mine, San Juan County. The Board granted tentative approval for this mine on March 21, 1978, subject to a commitment to Rule M-10 which was received on August 14, 1978. The abbreviated Mining and Reclamation Plan was written on August 17, 1978, and was to have been published by August 25, 1978. It was discovered on November 17, 1978, that no proofs of publication or billing statements were received from the news agencies involved. Therefore, the Mining and Reclamation Plan must be resubmitted for publication and an additional 30 day waiting period for public comment. A surety was estimated on September 26, 1978 for the amount of \$7,833.00. Due to the fact that no executive meetings were held during October and November, final approval from the Board has not been granted. However, since the plan was apparently never published, this is probably for the better.

The Division seeks the Board's final approval for this mining and Reclamation Plan and surety estimate subject to the Division receiving no adverse public comments within the required 30 day waiting period for "republishing" in order to save additional time. The Division would also like to have the Board's opinion on the type of surety to be requested from Minerals Recovery Corporation.

JWS
JAMES W. SMITH, JR.
RECLAMATION SOILS SPECIALIST

EXECUTIVE SUMMARY

MINERALS RECOVERY CORPORATION

South Lisbon Mine
(Uranium)

ACT/037/018

November 17, 1978

LOCATION:

Lower Lisbon Valley, approximately 22 miles northeast of Monticello in Sections 35 and 36, Township 30 South, Range 25 East, SLBM, San Juan County, Utah.

SOILS AND GEOLOGY:

Soils are well-drained with moderate permeability, runoff is medium to rapid, and sediment production is moderate. Geologic formations consist of mixed non-marine sediments, mudstone, sandstone, and covering deposits of windblown silts with some patches of soil and alluvium.

HYDROLOGY:

No perennial or ephemeral drainages exist in the immediate vicinity and there are no known springs.

ECOLOGY:

Pinyon pine and juniper in the overstory and big sagebrush, greasewood, oakbrush, cheatgrass, Indian ricegrass, and bluebunch wheatgrass in the understory comprise the vegetation at this site. Cover in undisturbed areas is estimated at 10-20%. The area is used as spring grazing for livestock. A recent (November 2, 1978) classification by the Division of Wildlife Resources designated this area of "limited value" for big game habitat.

STRUCTURES AND FACILITIES:

This operation consists of four previously existing declines (two currently inactive), with associated waste dumps and ore stockpiles, and a previously existing open copper pit with a currently inactive underground offshoot. Other facilities include a small office building, a trailer, a tool shed, an outhouse, a powder house, a gasoline tank, two diesel fuel tanks, an air compressor and fan, a water storage tank, and a septic tank.

MINING AND RECLAMATION:

During Operations:

- a. Existing open pit and underground workings will be mined.
- b. Existing roads will be utilized.
- c. Waste material generated from the underground operation will be temporarily contained on existing waste dumps then periodically used as fill for the pit.

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- d. Waste generated in the pit operation will be dumped directly into an adjacent abandoned pit.
- e. Ore will be stockpiled in existing areas until it is trucked out.

After Operations:

- a. All extraneous debris, scrap metal, wood, and unusable buildings will be buried or removed from the property.
- b. All vent holes and portals will be sealed to prevent unauthorized entry.
- c. Roads will be left in a stable condition for post-mining land uses.
- d. Waste material will be removed and used to reduce the vertical height of the pit walls.
- e. The pit will be fenced and peripheral drainage ditches will be installed to divert runoff around the pit. Warning signs will be placed around the pit.
- f. The disturbed surface areas will be scarified, fertilized, and seeded.

IMPACTS:

Since this operation is a reactivation of previously existing mines and most of the surface disturbances have already occurred there should not be any significant impacts to the surrounding environment.

SURETY ESTIMATE:

Surety for this operation was estimated to be \$7,833.00 on September 26, 1978. It consists of a lump sum for removal of structures, equipment, trash, debris, explosives, and hazardous materials; 24 hours of cat work and supervision; sealing of 4 portals; scarification, fertilizing, and seeding of 3 acres; fencing of the pit; 4 annual inspections; and a 5% inflation factor for a 2 year mine life. The form of surety is pending on the Board's wishes.

APPLICATION HISTORY:

August 13, 1976	Division received letter of intent to commence open pit mining for operation less than two acres by MRC.
August 25, 1976	MR-4 Form (Declaration of Exemption) sent to MRC.
September 2, 1976	Division received MR-4 Form from MRC.
September 9, 1976	Division notified State Lands of MRC's operation.
December 3, 1976	Division field inspection of MRC's operation indicated disturbed area exceeded two acre limitation.
December 9, 1976	MRC informed of Division's inspection and feelings concerning acreage disturbed.
January 21, 1977	MRC furnished Division with map of area indicating disturbance less than two acres.
March 2, 1977	Division inspected operation and ran a survey of area determining exact disturbance to be 3.0 acres.
April 23, 1977	MRC filed MR-Forms 1 & 2 with Division for entire operation, including pit and underground.
September 15, 1977	Division responded to MRC with recommendations for their Mining and Reclamation Plan.
October 17, 1977	Division received MRC's revised Mining and Reclamation Plan which was still incomplete and unsigned.
December 7, 1977	Division performed field inspection of this operation.
December 23, 1977	MR-Forms 1 & 2 returned to MRC for completion, signatures, and notarization. MRC also informed of Division's need for detailed map of area.

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February 3, 1978	Division received MRC's completed Mining and Reclamation Plan and map of area.
February 8, 1978	Division asked MRC to include access roads on map before tentative approval can be granted. granted.
February 17, 1978	Notice of Action sent to Environmental Coordinating Committee E.C.C. offered no comment.
March 13, 1978	E.C.C. offered no comment.
March 20, 1978	Division received revised map from MRC.
March 21, 1978	Executive Summary presented to Board. Board concurred with tentative approval subject to Rule M-10 commitment from MRC Board adopted new rule changes.
March 22, 1978	Board adopted new rule change.
April 21, 1978	Division requested commitment to Rule M-10 from MRC.
August 14, 1978	Division received commitment to Rule M-10 from MRC.
August 17, 1978	Sent abbreviated Mining and Reclamation Plan for publication by August 25, 1978.
September 25, 1978	Publication period over.
September 26, 1978	Bond estimated for \$7,833.
September 27, 1978	Bond estimate and surety presented to Board for approval (no Executive Meeting).
October 25, 1978	Bond estimate and surety presented to Board for approval (no Executive Meeting).
November 17, 1978	Discovered Mining and Reclamation Plan was never published. Plan resubmitted for publication.

DIVISION OF OIL, GAS, AND MINING

BOND ESTIMATE

OPERATOR: Minerals Recovery Corporation
 MINE NAME: South Lisbon Mine ACT/037/018
 LOCATION: Sec.'s 25 & 36, T. 30S., R. 25E.
 COUNTY: San Juan
 DATE: September 26, 1978

	Operation	Amount	Rate	Cost
A.	CLEAN-UP			
	1. Removal of structures & equipment.			
	2. Removal of trash & debris.	Lump sum	\$1,000.00	\$1,000.00
	3. Leveling of ancillary facilities pads and access roads.			
B.	REGRAIDING & RECONTOURING			
	1. Earthwork including haulage and grading of spoils, waste and overburden.			
	2. Recontouring of highwalls and excavations.	24 hrs.	\$ 85.00/hr	\$2,040.00
	3. Spreading of soil or surficial materials.			
C.	STABILIZATION			
	1. Soil preparation, scarification, fertilization, etc.	3 acres	\$ 25.00/ac	\$ 75.00
	2. Seeding or planting.	3 acres	\$ 150.00/ac	\$ 450.00
	3. Construction of terraces, water-bars, etc. Diversion Ditches around pit.	Included in B		
D.	LABOR			
	1. Supervision.	24 hrs.	\$ 10.00/hr	\$ 240.00
	2. Labor exclusive of bulldozer time.			
E.	SAFETY			
	1. Erection of fences, portal coverings, etc.	800 ft. fence	\$ 1.25/ft	\$1,000.00
		4 portal seals	\$ 500.00 ea	\$2,000.00
	2. Removal or neutralization of explosive or hazardous materials.	Lump sum	\$ 100.00	\$ 100.00
F.	MONITORING			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	4 annual inspections	\$ 50.00 ea	\$ 200.00
			Subtotal	\$7,105.00
G.	OTHER 5% inflation for 2yrs life of operation 1.1025			728.00
			Total	\$7,833.00

